

The Examiner has required restriction between the claims of Group I, claims 67-132, drawn to a display device, Group II, claims 133, 138, 139 and 140, drawn to a method of preparing an electron emitting device by coating, Group III, claims 134-137 and 141-144, drawn to a method for preparing an electron emitting device by particle dispersion and Group IV, claims 145-154, drawn to a method of displaying images.

The Examiner reasons that the groups are distinct from each other because each group contains a feature not recited in the other groups. Applicants respectfully submit that these inventions are not independent nor distinct and that there is no serious burden on the Examiner if the restriction was not required.

To constitute independent inventions, the inventions must have different modes of operation, different functions or different effects and have not been disclosed as capable of use together. M.P.E.P. 806.04 and 808.01.

However, the display device of Group I operates by means of the electron emitting device of Group II and Group III for stimulation of the phosphor by the electrons emitted by the electron emitting device prepared in accord with Groups II and III. Both Groups II and III utilize the dispersion of fine particles in the method of preparing the electron-emitting device used in the display device of Group I. The method of displaying images of Group IV requires the display device of Group I comprising the electron emitting

device. That is, the electron emitting device is required for the display device and the method for displaying images. Moreover, the method produces the electron emitting device required for the display device.

Even if it is assumed that the claimed groups are distinct, a careful review of the specification will reveal that the respective subject matters are so closely related as to warrant consideration in a single application. Because of the close technological relationship between the subject matter of the groups, it is submitted that the Applicants should not be put to the expense of filing an additional application in order to obtain patent protection on the respective subject matters. It is further believed that because of the close technical relationship between the subject matter, there will be an overlap in the searches undertaken by the Examiner, resulting in duplication of efforts.

Accordingly, it is respectfully requested that the Examiner reconsider the restriction requirement and allow the claims presently in the application be prosecuted in a single application.

Nevertheless, in accordance with the provisions of 37 C.F.R. § 1.143, Applicants hereby elect to continue prosecution in this application of the claims of Group I, claims 67-132, directed to a display device.

Applicants' undersigned attorney may be reached in our New York office by telephone at (212) 758-2400 or by facsimile at (212) 758-2982. All correspondence should continue to be directed to our below listed address.

Respectfully submitted,

  
\_\_\_\_\_  
Attorney for Applicants

Registration No. 30, F/6

FITZPATRICK, CELLA, HARPER & SCINTO  
277 Park Avenue  
New York, New York 10172

F511/A86168/ub

1 carbon.

5. The electron-emitting device of Claim 4,  
wherein said electron-emitting material comprises at  
5 least two kinds of different materials.

6. The electron-emitting device of Claim 4,  
wherein said electron-emitting material is selected  
from the group consisting of Nb, Mo, Rh, Hf, Ta, W,  
10 Re, Ir, Pt, Ti, Au, Ag, Cu, Cr, Al, Co, Ni, Fe, Pb,  
Pd, Cs and Ba.

7. The electron-emitting device of Claim 4,  
wherein said electron-emitting material comprises a  
15 metal oxide selected from the group consisting of  
 $\text{In}_2\text{O}_3$ ,  $\text{SnO}_2$ , BaO, MgO and  $\text{Sb}_2\text{O}_3$ .

8. The electron-emitting device of Claim 4,  
wherein said electron-emitting material comprises fine  
20 particles of Pd or  $\text{SnO}_2$ .

9. The electron-emitting device of Claim 1,  
wherein said electron-emitting region comprises a  
layer formed by incorporating an electron-emitting  
25 material in the insulating layer in a dispersed state.

Do not  
Enter  
7/9/92

1 carbon.

*Do not*

*Enter*

*7/19/92*

*MTM*

5. The electron-emitting device of Claim 4,  
wherein said electron-emitting material comprises at  
5 least two kinds of different materials.

6. The electron-emitting device of Claim 4,  
wherein said electron-emitting material is selected  
from the group consisting of Nb, Mo, Rh, Hf, Ta, W,  
10 Re, Ir, Pt, Ti, Au, Ag, Cu, Cr, Al, Co, Ni, Fe, Pb,  
Pd, Cs and Ba.

7. The electron-emitting device of Claim 4,  
wherein said electron-emitting material comprises a  
15 metal oxide selected from the group consisting of  
 $\text{In}_2\text{O}_3$ ,  $\text{SnO}_2$ , BaO, MgO and  $\text{Sb}_2\text{O}_3$ .

8. The electron-emitting device of Claim 4,  
wherein said electron-emitting material comprises fine  
20 particles of Pd or  $\text{SnO}_2$ .

9. The electron-emitting device of Claim 1,  
wherein said electron-emitting region comprises a  
layer formed by incorporating an electron-emitting  
25 material in the insulating layer in a dispersed state.